DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	141R1	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JENS ERLINGSSON No. 8249 Exp. 9/30/06 ELECTRICAL STATE OF CALIFORNIA

PB POWER, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

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PIER 1 TOWER LIGHTS SCHEDULE (ROADWAY LEVEL)

Circuit Number	Station	Location: Roadway side	Location: Suspend at Panel Point	Mounting	Ltg. Fixture Type	Number/ Wattage	Remarks
PYLON LIGHTING							
A-3009	57+43	South	PP-35/36	Bridge deck	MAT-1B-D	2-1000 W	with Remote Ballast
A-3009	57+45	South	PP-36	Bridge deck	MAT-1C-D	1-1000 W	with Remote Ballast
A-3009	57+51	South	PP-36/37	Bridge deck (1)	MAT-1A-D	2-1000 W	with Remote Ballast
A-3009	57+64	South	PP-39	Crossbeam top	MAT-3-D	2-250 W	with Remote Ballast
A-3009	57+69	South	PP-40	Crossbeam side	MAT-3-RC	2-250 W	with Remote Ballast
A-3009	57+75.5	North (1)	West of PP-42	Bridge deck	MAT-1A-D	2-1000 W	with Remote Ballast
A-3010	58+14	South	PP-48/49	Bridge deck	MAT-1B-D	2-1000 W	with Remote Ballast
A-3010	58+12	South	PP-48	Bridge deck	MAT-1C-D	1-1000 W	with Remote Ballast
A-3010	58+06	South	PP-47/48	Bridge deck (1)	MAT-1A-D	2-1000 W	with Remote Ballast
A-3010	57+93	South	PP-45	Crossbeam top	MAT-3-D	2-250 W	with Remote Ballast
A-3010	57+88	South	PP-44	Crossbeam side	MAT-3-RC	2-250 W	with Remote Ballast
A-3010	57+80.5 (1)	North	East of PP-42 (1)	Bridge deck	MAT-1A-D	2-1000 W	with Remote Ballast

LIGHTING POLE SCHEDULE

Circuit Number	Pole Number	Station	Location: Roadway side	Location: Suspend at Panel Point	Mounting Height (M) (1)	Ltg. Fixture Type	Number/ Wattage	Remarks (Mounting Provisions) (1)
S-1031	1031-1	55+98	South	-	20	MSR-2B-L	3-400 W	Pole mounted
A-1035						MAM-3	1-250 W	
S-1031	1031-2	56+38	South	-	20	MSR-2B-L	3-400 W	Pole mounted
A-1035						MAM-3	1-250 W	
S-1031	1031-3	60+08	South	-	20	MSR-2-L	2-400 W	Pole mounted
S-1031						MSR-2B-L	3-400 W	
A-1035						MAM-3	1-250 W	
S-1031	1031-4	60+58	South	-	20	MSR-2-L	2-400 W	Pole mounted
S-1031						MSR-2B-L	2-400 W	
A-1035						MAM-3	1-250 W	
S-1032	1032-1	61+10	South	-	20	MSR-2-L	2-400 W	Pole mounted
S-1032						MSR-2B-L	2-400 W	
A-1035						MAM-3	1-250 W	
S-1032	1032-2	61+63	South	-	20	MSR-2-L	2-400 W	Pole mounted
S-1032						MSR-2B-L	2-400 W	
A-1035						MAM-3	1-250 W	

LIGHTING FIXTURE TYPE DESIGNATION

Example: MSR-2B-C (See Special provisions for additional information)
MSR = SAS Safety light
2 = 400 Watts
B = Beam Angles
C = Cable Mounting Type

Location (Letter)		Function (Letter)		Application (Letter)		Number/ Lamp Wattage		Beam Angles (Letter)		Mounting Type (Letter)	
M	SAS	A	Aesthetic light	D	Downward flood light	1	1000 W	A		C	Cable
		S	Safety light	U	Upward flood light	2	400 W	B		D	Roadway deck
				R	Roadway light	3	250 W	C		PB	Pier Base/ Pole mount
				T	Pylon flood light	4	175 W			RC	Roadway at Cross beam
				M	Marker light	5	100 W			P	Pole mounted without lower/raiser
				P	Pylon marker light	6	50 W			L	Pole mounted with lower/raiser
				B	Bike path light						
				V	Belvedere light						
				L	Light pipe						

SHEET NOTE:

(1) Pole mounted lighting fixture 12 m and higher is provided with lowering device.

NOTES:

1. For Roadway Level Lighting Wiring Diagrams see sheets E-54 thru E-55.
2. For Roadway Level Lighting Conduit Plan see sheets E-46 thru E-51.
3. For type of Roadway poles. Refer to Sheets E-85 thru E-89.

REGISTERED PROFESSIONAL ENGINEER MANDELL FUMIO TAKAKI No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND LIGHTING SCHEDULES

E-82

DATE	REVISED BY	DATE	REVISED
8/01	JP	12/01	BL

CALCULATED/ DESIGNED BY — CHECKED BY

DESIGN OVERSIGHT — BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

LAST REVISION 00-00-00 — DATE PLOTTED => 5/13/2008 TIME PLOTTED => 5:08:02 PM

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CCO42\04-0120f1_0141R01.dgn
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